AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

1-22. (Cancelled)

23. (Original) A catheter, comprising:

an elongate tubular member having a proximal region, a distal region, and a lumen extending therebetween;

a multilayer torque cable in the proximal region of the elongate tubular member, the multilayer torque cable having a first helical coil and a second helical coil, the first helical coil nested within the second helical coil and wound in a reverse direction from the second helical coil so that rotation of the first helical coil in a first direction causes the first helical coil to expand while rotation of the second helical coil in the first direction causes the second helical coil to compress and thereby interfere with the expansion of the first helical coil;

a monolayer helical coil in the distal region of the elongate tubular member; and

an outer jacket surrounding the monolayer helical coil to restrict expansion on rotation of the monolayer helical coil.

24-71. (Cancelled)

72. (Previously Presented) The catheter of claim 23, wherein the multilayer torque cable further comprises a third helical coil surrounding the second helical coil.

73. (Previously Presented) The catheter of claim 23, wherein the monolayer helical coil is annealed to prevent unwinding expansion on torquing the catheter.

74. (Previously Presented) The catheter of claim 23, wherein the first helical coil is multifilar.

75. (Previously Presented) The catheter of claim 23, wherein the second helical coil is multifilar.

76. (Previously Presented) The catheter of claim 23, wherein the monolayer helical coil is multifilar.

77. (Previously Presented) The catheter of claim 23, further comprising a balloon mounted on the distal region of the elongate tubular member, the balloon defining a chamber that communicates with an inflation lumen that extends to the proximal region of the elongate tubular member.

78. (Previously Presented) The catheter of claim 77, wherein a second outer jacket is disposed about the multilayer torque cable, and wherein a proximal end of the balloon is bonded to the second outer jacket and a distal end of the balloon is bonded to the outer jacket surrounding the monolayer helical coil.